FY12 Version 1.0 (March 2012)

Specific Changes

- 1. Section 1 Objective and Scope
 - a. Added web link to Operating Guidance (OG) documents
 - b. Revised Table 1.2
 - c. Added a deliverable to the Project Management Section
- 2. Perform Discovery:
 - a. Added references to new OGs.
 - b. Updated Stakeholder Engagement, Data Analysis, Discovery Meeting, Database Updates and Scope Refinement sub-sections
 - c. Removed references to First Pass Analysis
 - d. Added Post Meeting Coordiation sub-section
 - e. Added two additional deliverables
- 3. Perform Project Outreach
 - a. Revised text throughout this section, including adding references to new OGs.
 - b. Updated name of CCO Meeting to match Risk MAP Meetings Guidance
- 4. Develop Non-Regulatory Products
 - a. Moved to be now located after "Perform Project Outreach" section
 - b. Revised text throughout, including adding references to new PMs and OGs.
 - c. Revised Table 1.4
- 5. Perform Field Survey
 - a. Added deliverables
- 6. Develop Topographic Data
 - a. Updated Table 1.5
 - b. Added deliverables
- 7. Perform Independent QA/QC: Topographic Data
 - a. Updated text throughout
 - b. Added deliverables
- 8. Acquire Base Map
 - a. Updated text throughout
- 9. Perform Independent QA/QC: Base Map
 - a. Added deliverables
- 10. Develop Hydrologic Data
 - a. Updated Table 1.7
 - b. Added deliverables
- 11. Develop Hydraulic Data
 - a. Updated Table 1.8
 - b. Added deliverable
- 12. Perform Floodplain Mapping
 - a. Updated text in deliverables
- 13. Develop FIRM Database
 - a. A few minor text corrections.

- 14. Produce Preliminary Map Products
 - a. Added information about who is responsible for preparing SOMAs.
 - b. Added deliverable
- 15. Perform Independent QA/QC: Produce Preliminary Map Products
 - a. A few minor text corrections.
- 16. Distribute Preliminary Map Products
 - a. Added reference to PM 57
- 17. Post Preliminary Map Production:
 - a. Added a sentence about Final (CCO) Meetings and Public Meetings
 - b. Added reference to PM 57
 - c. Updated language for EAP, including removing references to BFE Notices, Proposed Rules, Final Rules and Protests
 - d. Added a sentence about data passing National QA/QC reviews prior to LFD distribution.
 - e. Added deliverable
- 18. Section 5 Standards:
 - a. Table 5.2: Added references to new PMs and OGs.
 - b. Table 5.2: Moved "Develop Non-Regulatory Products" task to be located after "Outreach" task
- 19. Section 6 Schedule
 - a. Table 6.1 Moved "Develop Non-Regulatory Products" task to be located after "Outreach" task.
- 20. Section 10 Reporting (OFA)
 - a. Added a note for the CTP to list the reports that they are expected to provide.

FY11 Version 1.0 (April 2011)

Specific Changes

- 21. Changed name of "Flood Study MAS" to "Risk MAP Flood Study MAS".
- 22. Changed any reference to "DFIRM" to "FIRM"
- 23. Section 1: Referred Responsible Mapping Partner to Region/RSC lead to obtain <u>Risk MAP</u>
 <u>Products in the MIP</u> guidance document to learn how Non-Regulatory Products submitted in MIP and how to track progress.
- 24. Perform Discovery:
 - a. Incorporated numerous comments from Jen Marcy
 - b. Changed name of "Perform Project Scoping" to "Perform Discovery".
 - c. Referred Responsible Mapping Partner to Risk MAP Meetings Guidance.
 - d. Referred Responsible Mapping Partner to draft Appendix I.
 - e. Mitigation planning technical assistance language added. Referred Responsible Mapping Partner to <u>Risk MAP Guidance for Incorporating Mitigation Planning</u> Technical Assistance.
 - f. CNMS language revised.
- 25. Perform Project Outreach:

- a. Incorporated numerous comments from Jen Marcy
- b. Updated meeting names.
- c. Referred Responsible Mapping Partner to Risk MAP Meetings Guidance.
- d. Mitigation planning technical assistance language added. Referred Responsible Mapping Partner to <u>Risk MAP Guidance for Incorporating Mitigation Planning</u> Technical Assistance.

26. Perform Field Survey:

- a. Added note encouraging Responsible Mapping Partner to consider submitting MIP task even if task was not scoped and/or if leverage data was received. (see MAS for entire note)
- b. Refer to Region/RCS lead on where to send paper documentation, when required.
- c. Added a note that data files must be submitted in HUC-8 folders.

27. Develop Topographic Data:

- a. Incorporated numerous comments from Josh Price.
- b. Responsible Mapping Partner to G&S Appendix A and PM 61.
- c. Updated Table 1.5.
- d. Note that Responsible Mapping Partner is responsible for obtaining any revised or updated guidance from Region / RSC lead.
- e. Updated NDEP language.
- f. Added a note that data files must be submitted in HUC-8 folders.

28. QA/QC of Topographic Data:

- a. Incorporated numerous comments from Josh Price.
- b. Added a note to check that NDEP website was updated.
- c. Referred user to PM 61.
- d. Added a note to check that data files were submitted in HUC-8 folders.

29. Acquire Base Map:

- a. Incorporated numerous comments from Josh Price.
- b. Added a note that Non-Regulatory Products not included/submitted for this task.
- c. Referred Responsible Mapping Partner to G&S Vol 1, Appendices K, L, N and O.
- d. Updated Table 1.6.
- e. Note that Responsible Mapping Partner is responsible for obtaining any revised or updated guidance from Region / RSC lead.
- f. Updated NDOP language.
- g. Added a note that data files must be submitted in HUC-8 folders.

30. QA/QC of Acquire Base Map:

- a. Incorporated numerous comments from Josh Price.
- b. Added a note to check that NDOP website was updated.
- c. Added a note to check that data files were submitted in HUC-8 folders.

31. Develop Hydrologic Data:

- a. Added note encouraging Responsible Mapping Partner to consider submitting MIP task even if task was not scoped and/or if leverage data was received. (see MAS for entire note)
- b. Changed 10-, 25-, 50-, 100-year etc. to 10-, 4-, 2-, 1-percent-annual-chance.

- c. Added a note that data files must be submitted in HUC-8 folders.
- 32. QA/QC of Hydrologic Data:
 - a. Added a note to check that data files were submitted in HUC-8 folders.
- 33. Develop Hydraulic Data:
 - a. Added note encouraging Responsible Mapping Partner to consider submitting MIP task even if task was not scoped and/or if leverage data was received. (see MAS for entire note)
 - b. Note that Responsible Mapping Partner shall contact Region / RSC lead to obtain Appendix N & O. (depth grids)
 - c. Referred Changed 10-, 25-, 50-, 100-year etc. to 10-, 4-, 2-, 1-percent annual chance.
 - d. Updated list of Procedure Memorandums.
 - e. Added a note that data files must be submitted in HUC-8 folders.
- 34. OA/OC of Hydraulic Data:
 - a. Added a note to check that data files were submitted in HUC-8 folders
- 35. Perform Floodplain Mapping
 - a. Added note encouraging Responsible Mapping Partner to consider submitting MIP task even if task was not scoped and/or if leverage data was received. (see MAS for entire note)
 - b. CNMS language revised.
 - c. Added a note that data files must be submitted in HUC-8 folders.
- 36. QA/QC of Floodplain Mapping
 - a. Added note to check that LOMCs were accounted for.
 - b. Added a note to check that data files were submitted in HUC-8 folders.
- 37. Develop DFIRM Database
 - a. Added note requiring Responsible Mapping Partner to submit MIP task if leverage data was received. (see MAS for entire note)
 - b. Note that Responsible Mapping Partner is responsible for obtaining any revised or updated guidance from Region / RSC lead.
 - c. Added a note that data files must be submitted in HUC-8 folders.
- 38. Develop Non-Regulatory Products
 - a. Task added to MAS.
 - b. Referred user to <u>Risk MAP Products in the MIP</u> to know where to track and submit these tasks in the MIP.
 - c. Mitigation planning technical assistance language added. Referred Responsible Mapping Partner to <u>Risk MAP Guidance for Incorporating Mitigation Planning</u> Technical Assistance.
 - d. Added notes about where Flood Risk Products are shared within the Risk MAP Timeline.
 - e. Removed note about "Fiscal Year 2010 Contracting procedure memorandum" since it does not say it should be used for FY11.
- 39. Produce Preliminary Map Products:
 - a. CNMS language revised.
- 40. QA/QC of Produce Preliminary Map Products:

- a. Review that Preliminary SOMAs were created.
- 41. Distribute Preliminary Map Products:
 - a. CNMS language revised.
- 42. Post Preliminary Map Production:
 - a. Information added for Community Coordination Meetings.
 - b. CNMS language revised.
- 43. Section 2 TSDN Submittal
 - a. Referred Responsible Mapping Partner to PM 62.
 - b. Table 2.1: updated task names (Discovery & Non-Regulatory Products)
- 44. Section 4 Added that leverage is a best estimate of available data and will be further defined in Discovery Report.
- 45. Section 5 Standards:
 - a. Table 5.1: updated task names (Discovery & Non-Regulatory Products)
 - b. Table 5.2: updated task names (Discovery & Non-Regulatory Products)
 - c. Added new Procedure Memorandums & draft appendices
- 46. Section 6 Schedule:
 - a. Table 6.1: updated task names (Discovery & Non-Regulatory Products)
- 47. Section 8 Technical Assistance and Resources:
 - a. Referred Responsible Mapping Partner to Region / RSC lead to obtain Risk MAP Timeline.
- 48. Section 10 Reporting (CTP)
 - a. Added note about transparency act reporting from draft Meetings Guidance.

FY10 Version 2.0 (April 2010)

Specific Changes

- 1. There are certain Risk Assessment products added to this MAS as they are expected to be delivered within the mapping process. Users will see new deliverables in the Scoping, Produce Preliminary Map Products, and Post Preliminary Map Production sections. There will be a Risk Assessment Procedure Memo coming out and that document will make reference to the Flood Study MAS for the details on the products.
- 2. In the TSDN section, users will see references to a required FEDD folder (flood elevation determination docket) piece within the TSDN submittal. This had always been required but a Procedure Memo is coming out to reinforce the need for these it makes reference to the Procedure Memo and that partners are expected to follow it.

FY10 Version 1.0 (April 2010)

Global Changes

- 1. Name changed to Flood Study Mapping Activity Statement
- 2. Table of Contents added (hyperlinked within document)
- 3. Replaced IDIQ with PTS

- 4. Updated activity headings and tables to align with the MIP
- 5. QA/QC reviews to be "impartial", removed "internal"
- 6. Changed {insert county or community name(s)} to {insert name of community(ies) or county, or watershed}
- 7. PTS replaces NSP
- 8. RSC replaces RMC
- 9. Replaced Limited Detail with Base Level
- 10. Replaced Detailed with Enhanced
- 11. Updated TSDN language/references

Specific Changes

- 3. Title page: Added additional language to Note at the top of the page
- 4. Section 1 Objective and Scope:
 - a. Added language referring to risk assessment products
 - b. Revised Table 1.1
 - c. Removed reference to PM42
- 5. Section 1 Scoping:
 - a. Replaced Mapping Needs Assessment with CNMS
 - b. Added bullet about risk assessment data to second set of bullets
 - c. Added two bullets to update NDOP, NDEP, and CNMS
 - d. Added language around basic or enhanced study methods
 - e. Aligned meeting language with the Risk MAP Solution
 - f. Removed MNUSS from deliverables list
 - g. Added two bullets to end of deliverables list (scoping report and list of communities to be studied and mapped)
- 6. Section 1 Outreach:
 - a. Aligned meeting names language with Risk MAP Solution
- 7. Section 1 Develop Topographic Data
 - a. Added preamble before scope section
 - b. Added scope section
 - c. Removed "deliverables" from Requirements & Deliverables sections
- 8. Section 1 Acquire Base Map
 - a. Moved standards section from below table 1.5 to below scope section
- 9. Section 1 Develop Hydrologic Data
 - a. Added five levels of study to scope section
 - b. Added new table above table 1.6 for Study Risk Class
 - c. Added five levels of study info to first bullet in deliverables list
- 10. Section 1 Perform Independent QA/QC: Hydrologic Data
- 11. Section 1 Develop Hydraulic Data
 - a. Inserted new paragraph about using cross-section and field data during Field Survey
 - b. Updated Table 1.7 with New and Enhanced terminology
 - c. Added seven levels of study to first bullet of deliverables section
 - d. Removed Limited Detail Study bullet from deliverables

- e. Added Depth Grids bullet to deliverables
- 12. Section 1 Perform Independent QA?QC: Hydraulic Data
 - a. Added Depth Grids bullet to tasks list
- 13. Section 1 Perform Coastal Analysis
 - a. Text removed scope editable
- 14. Section 1 Perform Floodplain Mapping
 - a. Added a bullet to deliverables about NFIP Metadata Profiles Specifications
- 15. Section 1 Develop DFIRM Database
 - a. Inserted preamble
 - b. Added text to Scope section about Standard or Enhanced GIS database
 - c. Added a note to standards section to perform appropriate QR activities
- 16. Section 1 Produce Preliminary Map Products
 - a. Added a note to standards section to perform appropriate QR activities
 - b. Added bullet to deliverables list around adding assessment products
 - c. Added ORs 2-4 to deliverables list
- 17. Section 1 Perform Independent QA/QC: Produce Preliminary Map Products
 - a. Added bullet requirements list about risk assessment products
- 18. Section 1 Distribute Preliminary Map Products
 - a. Added Risk Assessment products to scope
 - b. Added Risk Assessment products to bulleted list
- 19. Section 1 Post-Preliminary Map Production
 - a. Moved bullet around Federal Register to beginning of list
 - b. Added statement to resolution of appeals and protests section stating that protests must have a FEMA co-signature
 - c. Updated processing of final DFIRM and FIS section by removing reference to PM 42 and replacing GPO with MSC
 - d. Added note to standards section to perform appropriate QR activities
 - e. Added bullet to provide a hard copy and digital DFIRM products to the community
 - f. Added bullet about the four outreach meetings
- 20. Section 4 Funding/Leverage (For CTP, OFA and/or Community)
 - a. Updated Blue Book version
 - b. Updated link for Information Resource Library
 - c. Added (of total project cost) to % Partner Leverage column of table 4.1
- 21. Section 5 Standards
 - a. Added Data Sharing Agreement to Applicable Standards on table 5.1
 - b. Added relevant PMs to table 5.2
 - c. Added Risk Assessment to table 5.2
- 22. Section 6 Schedule
 - a. Table 6.1 was made optional
 - b. Table 6.1 updated to show only estimated start and end dates and cost
- 23. Section 8 Technical Assistance and Resources
 - a. First paragraph updated to include CNMS process
 - b. MIP help link updated

- 24. Section 10 Reporting (PTS, OFA)
 - a. Removed "on a monthly basis" from Status Reporting section
 - b. Updated Earned Value Data Entry section to refer back to section 1
- 25. Section 11 Project Coordination
 - a. First paragraph updated to say "coordination activities may include:"

January 2009 Version 8.0

- 1. Updated footer to reflect version change
- 2. Section 1: Objective and Scope correction to definition of MIP
- 3. Section 1: Scoping
 - A. Added language to Post-Scoping Meeting Activities
- 4. Section 1: Scoping
 - A. Added language to Deliverables
- 5. Section 1: Topographic Data Development
 - A. Change to language in Scope
- 6. Section 1: Independent QA/QC Review of Topographic Data Development
 - A. Additions and deletions to language in Scope
- 7. Section 1: Base Map Acquisition and Preparation
 - A. Changed title of Table 1.5
- 8. Section 1: Independent QA/QC Review of Base Map
 - A. Added and deleted language to Scope
- 9. Section 1: Hydrologic Analysis
 - A. Added language to Scope
- 10. Section 1: Independent QA/QC of Hydrologic Analysis
 - A. Added and deleted language to Scope
- 11. Section 1: Independent QA/QC of Hydraulic Analysis
 - A. Added and deleted language to Scope
- 12. Section 1: Independent QA/QC of Coastal Hazard Analysis
 - A. Added and deleted language to Scope
- 13. Section 1: Independent QA/QC of Floodplain Mapping
 - A. Added and deleted language to Scope
- 14. Section 1: Independent QA/QC of Produce Preliminary Map Products
 - A. Added and deleted language to Scope

February 2008 Version 7.2

1. Addition of Program Management Task

February 2008 Version 7.1

- 15. Updated footer to reflect version change
- 16. Section 1: Objective and Scope corrections to Table 1.2
 - A. Perform QA/QC of Floodplain Mapping is not a Core NSP Task
 - B. Moved Produce Preliminary Map Products column
 - C. Added Develop DFIRM Draft Database column
- 17. Section 1: Scoping
 - A. Added language to Deliverables
- 18. Section 1: Floodplain Mapping
 - A. Updated language in Deliverables
- 19. Section 1: Develop Draft DFIRM Database
 - A. Added this section to better align with the MIP
- 20. Section 1: Produce Preliminary Map Products
 - A. Under Standards: corrected "All work must pass the automated and visual "National QA/QC" reviews prior to the distribution of the Letter of Final Determination"
 - B. Updated language under Deliverables
- 21. Section 1: Distribute Preliminary Map Products
 - A. Updated language under Deliverables
 - B. Removed bullet from Deliverables
- 22. Section 1: Independent QA/QC of Distribute Preliminary Map Products
 - A. Removed this Task
- 23. Section 1 Post Preliminary Processing
 - A. Added language to Processing of Letter of Final Determination:
- 24. Section 6: Schedule
 - A. Reformatted Table to fit printed page
 - B. Added Develop Draft DFIRM Database column
 - C. Removed Independent QA/QC of Distribute Preliminary Map Products column
- 25. Section 7: Certification
 - A. Added language to DCS Certification Form bullet

January 2008 Version 7.0

- 1. Used acronyms in place of spelling out long terms throughout
- 2. Language deleted from title for CTPs and IDIQs or OFAs
- 3. Footer updated to reflect current date and version
- 4. Section 1: Objective and Scope
 - A. Language added referring reader to the Guides and Specs and PMs for all processes and deliverables throughout the contract and subsequently removed from individual tasks in MAS.
 - B. Removed NAVD29 as an auto-option to select in MAS.
 - C. Scoping specific language removed from Objective and Scope. An edited version of this language is in the Scoping task

- D. Tightened language regarding maintaining archive of data.
- E. Removed confusing language identifying parties of the MAS
- F. Language deleted no longer asking recipient to send data to FEMA library, but simply to FEMA
- G. Updated language and extended notification time for meetings from one to two weeks.
- H. Added reference to PM 42
- I. Replaced Table 1.2 Flood Mapping Project Activities with Table from Region VII template. Then, updated this table to reflect PM42 QRs.
- J. Added Optional Paragraph and Table, Table 1.3 Levee PAL Classification and additional PAL language
- K. Language added removed and revised pertaining to Tools, Independent QC, MIP, Metadata and PM42 ORs.
- L. Added Specific MIP Reporting requirements. This will replace MIP reporting requirements previously reiterated in each task.
- 5. Section 1: Scoping
 - A. Entire section more or less rewritten divided into Pre-Scoping, Scoping Meeting and Post-Scoping Meeting
 - B. Revised reference to FLIS database and any associated requirements
 - C. Added and updated Deliverables
- 6. Section 1: Outreach
 - A. Updated language in the *Note*
 - B. Removed language in paragraph after *Note* paragraph
- 7. Section 1: Field Survey
 - A. Updated language in second paragraph under scope
 - B. Updated language and bullets under deliverables
 - C. Deleted additional reference to G&S
- 8. Section 1: Topographic Data Development
 - A. Added language to title of task
 - B. Updated language in scope and included coastal references
 - C. Added to activities bullets
 - D. Added Optional Table 1.4 Summary of Topographic Data
 - E. Updated language under Deliverables and removed MIP reporting language
 - F. Added bullet to Deliverables
 - G. Removed additional reference to the G&S
- 9. Section 1: Independent QA/QC Review of Topographic Data
 - A. Updated language under deliverables

- B. Removed additional reference to the G&S
- 10. Section 1: Base Map Acquisition
 - A. Added language to title of task to make it Base Map Acquisition and Preparation
 - B. Added bullets to activities under Scope
 - C. Added Optional Table 1.5 Summary of Base Map
 - D. Updated language to Deliverables
 - E. Added to Deliverables bullets
 - F. Removed MIP reporting language from Deliverables text
 - G. Removed additional reference to the G&S
- 11. Section 1: Independent QA/QC Review of Base Map
 - A. Updated language under deliverables
 - B. Removed MIP reporting language from Deliverables text
 - C. Removed additional reference to the G&S
- 12. Section 1: Hydrologic Analyses
 - A. Updated language in <Optional Paragraph for GIS modeling>
 - B. Added Optional Table 1.6 Summary of Hydrologic Analysis
 - C. Updated language under Deliverables
 - D. Removed MIP reporting language from Deliverables text
 - E. Added Deliverable bullet regarding paper documentation
 - F. Removed additional reference to the G&S
- 13. Section 1: Independent QA/QC of Hydrologic Analyses
 - A. Updated language under Deliverables
 - B. Removed MIP reporting language from Deliverables text
 - C. Added Deliverable regarding paper documentation
 - D. Removed additional reference to the G&S
- 14. Section 1: Hydraulic Analyses
 - A. Updated Optional Paragraph for Levees
 - B. Added Optional Table 1.7 Summary of Hydraulic Analysis and language
 - C. Updated language under deliverables
 - D. Removed MIP reporting language from Deliverables text
 - E. Added a bullet in deliverables regarding paper documentation
 - F. Removed additional reference to the G&S
- 15. Section 1: Independent QA/QC of Hydraulic Analyses

- A. Corrected typo in activities bullet under Scope (changed from "hydrologic" to "hydraulic"
- B. Updated language under deliverables
- C. Removed MIP reporting language from Deliverables
- D. Removed additional reference to the G&S
- 16. Section 1: Coastal Flood Hazard Analyses
 - A. Updated language to Scope
 - B. Updated Optional Levee paragraph
 - C. Updated language in Deliverables
 - D. Removed MIP reporting language from Deliverables text
 - E Added bullet in deliverables
 - F. Removed additional reference to the G&S
- 17. Section 1: Independent QA/QC Review of Coastal Flood Hazard Analyses
 - A. Updated language under Deliverables
 - B. Removed MIP reporting language from Deliverables text
 - C. Removed additional reference to the G&S
- 18. Section 1: Floodplain Mapping
 - A. Added language in Scope for Detailed Riverine or Coastal Analysis
 - B. Deleted *Note* in **Scope of Redeliniation of Detailed Floodplain Boundaries Using Updated Topographic Data** and **Scope for Non-revised Area**
 - C. Deleted *Note* in **Scope of Non-revised Areas**
 - D. Added coastal terms in **Scope for Merging Revised and Non-Revised Information**
 - E. Revised effective date with reference to PM38 as it was reissued on 2007 under Standards.
 - F. Added PM 38 and levee language into Standards.
 - G. Removed MIP reporting language from Deliverables text to Deliverables bullet
 - H. Updated language in bullet in the Deliverables
 - I. Deleted optional "Limited detail" deliverable bullet
 - J. Replaced language in multiple bullets in the deliverables section to reference DCS, coastal terms, datum, and update deliverables.
 - K. Removed additional reference to the G&S
- 19. Section 1: Independent QA/QC Review of Floodplain Mapping
 - A. Added Coastal terms to activities bullets under Scope
 - B. Updated language under deliverables

- C. Removed MIP reporting language from Deliverables text
- D. Removed additional reference to the G&S
- 20. Section 1: Redeliniation
 - A. Removed Redeliniation as separate task. This is part of Floodplain Mapping in MIP.
- 21. Section 1: Independent QA/QC of Redeliniation
 - A. Removed QA/QC of Redeliniation as separate task. This is part of Independent QA/QC Floodplain Mapping in MIP.
- 22. Section 1: DFIRM Map and Database
 - A. Renamed Produce Preliminary Map Products (no longer DFIRM Map and Database) to align with MIP
 - B. Updated language in Scope
 - C. Added activity Preliminary Summary of Map Actions (SOMA) Preparation
 - D. Updated language in Standards to align with PM42
 - E. Removed MIP reporting language from Deliverables text
 - F. Updated language in and added to Deliverable bullets
 - G. Removed additional reference to the G&S
- 23. Section 1: Independent QA/QC Review of DFIRM Map and Database
 - A. Renamed to QA/QC Review of Produce Preliminary Map Products (no longer QA/QC Review of DFIRM Map and Database) to align with MIP
 - B. Added coastal terms in Scope bullets
 - C. Updated language in Deliverables paragraph and bullet.
 - D. Removed MIP reporting language from Deliverables text
 - E. Removed additional reference to the G&S
- 24. Section 1: Produce Preliminary Map Products
 - A. Renamed the title from Produce Preliminary Map Products to Distribute Preliminary Map Products to align with MIP
 - B. Updated language in Scope main text and *News Release*
 - C. Updated date of PM 38 in Standards to reflect re-issuance and added language
 - D. Removed MIP reporting language from Deliverables text
 - E. Removed additional reference to the G&S
- 25. Section 1: Independent QA/QC Produce Preliminary Map Products
 - A. Renamed the title from Independent QA/QC Produce Preliminary Map Products to Independent QA/QC of Distribute Preliminary Map Products to align with MIP
 - B. Removed MIP reporting language from Deliverables text

- C. Removed additional reference to the G&S
- 26. Section 1: Post-preliminary Processing
 - A. Updated language in bullets of *Initiation of Statutory 90-Day Appeal Period*
 - B. Updated last bullet *Resolution of Appeals and Protests*
 - C. Inserted bullet *Processing of Letter of Final Determination* regarding Final Rule added
 - D. Added language Processing of Final DFIRM and FIS Report for Printing
 - E. Removed MIP reporting language from Deliverables text
 - F. Removed additional reference to the G&S
- 27. Section 2: Technical and Administrative Support Data Submittal
 - A. Updated language in second paragraph
- 28. Section 3: Period of Performance (for CTPs)
 - A. Changed start and end date of project to align with terms of Articles of Agreement
 - B. Added language to ensure data from terminated projects are entered properly in to the MIP.
- 29. Section 3: Period of Performance (for IDIQ or OFA)
 - A. Changed start and end date of project to align with terms of Contract of Task Order.
- 30. Section 4: Funding/Leverage (For CTP, OFA and/or community)
 - A. Added language to access FEMA Information Resource Library
 - B. Updated Table 4.1 Name of Table Should table be moved?
 - C. Added language to report leverage in MIP
- 31. Section 4: Funding/Leverage (For IDIO, OFA)
 - A. Removed Table of Fundable Activities. This can be obtained in the CTP Guidance Document
- 32. Section 5: Standards
 - A. Removed Row in Table 5-1 regarding GPS Surveys and Guidelines
 - B. Added columns to separate Coastal task and QA/QC of Coastal task
 - C. Consolidated Task and QA of same Task in Table 5-2. Removed reference to Subsections of G&S. Removed Reference to Appendix N as this will no longer be part of the G&S
- 33. Section 6: Schedule
 - A. Table 6.1 Removed Redeliniation and QAQC of Redeliniation as separate task. This is part of Floodplain Mapping in MIP. Added Cost Column to Table. Broke out Floodplain mapping tasks in separate rows. Removed "1/3 Outreach" language in table 6.1

- B. Removed duplicative table
- C. Added MIP reporting requirements
- 34. Section 7: Certifications
 - A. Added Reference to Data Capture Standards
- 35. Section 8: Technical Assistance and Resources
 - A. Updated website address
 - B. Added MIP Helpdesk contact
- 36. Section 10: Reporting (CTP)
 - A. Updated reporting frequency
 - B. Added and revised language including adding reference to 44CFR13.41.
- 37. Section 10: Reporting (IDIQ,OFA)
 - A. Updated reporting frequency
 - B. Added and revised language including adding reference to 44CFR13.40.
- 38. Section 12 Points of Contact (CTP)
 - A. Removed reference to optional Attachments
- 39. Section 12 Points of Contact (IDIQ, OFA)
 - A. Changed language to include reference to COTR
 - B. Removed reference to optional Attachments

November 2006 Version 5.0

- Added references to the "NFIP Metadata Profiles Specifications."
- Updated web addresses.
- Updated Section 4 with new Bluebook dates.
- Updated Section 5 with:
 - The standards relevant to this MAS are provided in Tables 5-1 and 5-2. Information on the correct volume, appendix, section, or subsection of the FEMA Guidelines and Specifications for Flood Hazard Mapping Partners to be referenced for each mapping activity are summarized in Table 5-2 for convenience. However, all mapping partners working on a Flood Map Project are responsible for complying with all appropriate requirements in FEMA's Guidelines and Specifications for Flood Hazard Mapping Partners and related Procedure Memoranda published by FEMA as of the data of this agreement.
 - Added reference to and link for the Geospatial Data Coordination Policy and the Geospatial Data Coordination Implementation Guide.
 - O Updated Table 5-1 and 5-2.
- Updated Section 7.
- Added a table to assist with updating the baseline information in the MIP.

July 2006 Version 4.0

Added references to the "NFIP Metadata Profiles Specifications."

June 2006 Version 3.0

- Added base map preparation activities to the "Base Map Acquisition" activity.
- Added the following comment to table 4.1 in the Funding column for the "Base Map Acquisition" activity:
 - No, unless approval is given by the Regional Project Officer for base map preparation tasks only.

April 2006 Version 2.0

- Added the following comment at the beginning of the document to avoid confusion:
 - ***Note: This template can be used for CTPs, IDIQs, or OFAs. Please delete those sections that do not apply and this statement when filling out this template.***
- Added references to Procedure Memorandum 41 (use of the NAVD 88 datum).
- Added the word "any" in the second paragraph above table 1.2 to the sentence "The activities for this Flood Map Project, including **any** required QA/QC..."
- Under "Scoping,"
 - o Moved all levees paragraphs so that they were adjacent to each other.
 - o Inserted the following wording in bold in the following paragraph:
 - In cooperation with the FEMA Region, a Project Management Team (PMT) will be established consisting of the {Insert name of Mapping Partner, and their mapping team if appropriate}, FEMA's regional engineer, {Insert county or community name(s)}, and other appropriate officials. The PMT will be responsible for coordinating the activities of this project and completing all tasks identified in this {MAS/SOW}. The FEMA Region will be provided with documentation identifying the established PMT as well as identifying the PMT on the Scoping Report. The MIP shall be updated with Scoping status as appropriate.
 - The levee language in the optional paragraph was updated. Additionally, the link to the FLIS database (http://flis.pbsjdfirm.com) was inserted into the optional paragraph and the reader was directed to Procedure Memorandums 30 and 34.
 - Appendix A the Scoping Report Template and Appendix B CTP Quarterly Report or IDIQ Progress Report – have been changed to reflect the fact that they are optional reports. Copies of these documents are used in Region IV, are available, and can be adjusted due to Regional specifications.
 - The last deliverable under "Scoping" is meant to indicate that the Scoping Tool is optional, according to Procedure Memorandum 35. Reference to Procedure Memorandum 35 was inserted.
- Reference to Volume 1 of the G&S (Outreach and Coordination) is included in the "Outreach" section of the template.
- Added to "Topographic Data Development:" {Insert name of responsible Mapping Partner} should confirm with the appropriate FEMA Regional Engineer the automated H&H software proposed to be used.

- Deleted from "Independent QA/QC of Base Map:" (Note: QA/QC typically has not been included for Base Map)
- Under "Floodplain Mapping,"
 - o Inserted the following wording in bold in the following sentence under "Scope for Refinement or Creation of Zone A:"
 - Such approaches must be coordinated with and approved by the FEMA Regional Project Officer identified in Section 12 – Points of Contact, before analysis and mapping begin.
 - o Inserted the following wording in bold in the following sentence under "Standards:"
 - Such approaches must be coordinated with and approved by the FEMA Regional Project Officer before analysis and mapping begin.
 - o Inserted the following wording in bold in the following sentence under "Standards:"
 - Mapping quality standards must be consistent with Procedure Memorandum No. 38, dated September 2, 2005.
 - o Inserted the following wording in "Scope for Non-Revised Areas:"
 - It is estimated that {Insert number of panels} county-wide DFIRM panels will be produced by {Insert name of responsible Mapping Partner}.
- Deleted the following paragraph under "Redeliniation:"
 - o (NOTE: It has been inferred that the intention of the Perform Redeliniation task in the Work Flow was to provide a single task in which to capture the data for projects that were strictly an upgrade to a digital product, or "digital conversion" along with development of a DFIRM Database. However, the definition of Redeliniation seems to infer that remapping on updated topographic data is being performed. It is important to understand what each of the Regions intends to use the Redeliniation Task for in regards to the project management and tracking in the MIP Workflow so that a consistent definition and definitive guidance can be prepared.)
- Under "Post-Preliminary Processing," the following bold text was added:
 - Community Coordination Meeting: If a community coordination meeting is required
 it is recommended that it be held within 60 days of the issuance of the
 Preliminary DFIRM and, {Insert name(s) of responsible Mapping Partner(s)} shall
 arrange for and verify that the following activities are completed:
- Under "Section 3," the following bold text was added:
 - o If these mapping activities are terminated, all products produced to date and the remaining funds from uncompleted activities, provided by FEMA for this MAS, will be returned to FEMA.
- Under "Section 4."
 - Title was changed to indicate that leverage can be recorded for OFAs and communities.
 - Added date of the most current Bluebook.
- Under "Section 6,"
 - o Added a "Submit To" column to table 6.1.
 - o Added task "Independent QA/QC Review of Base Map" as this should not have been deleted.

- Though it was not added to the template, for reference the SharePoint link to the current draft
 version of the Document Control Procedures Manual is
 https://www.mapmodteam.com/Deliverables/DM/3026/Work%20in%20Progress/Forms/AllItems.aspx.
 Please contact Dick Wild of Baker Alexandria if you should have any questions or comments about the document.
- Deleted Appendix C. Optional paragraphs are included in the document within "Scoping," "Hydraulic Analyses," and "Coastal Flood Hazard Analyses."

January 2006 Version 1.0

- Created a master template for the MAS and SOW.
- Revised all of the Task and Activities tables and descriptions to be consistent with the MIP Work Flow activities and deliverables.
- Identified the activities and included statements specific to satisfying the Data Capture Standards where appropriate.
- Adjusted the requirements where necessary to reflect "updating the MIP" as required.
- Added "A Federal Geographic Data Committee (FGDC) adopted metadata profile, Content Standard for Digital Geospatial Metadata (CSDGM), must accompany the uploaded digital data in order to facilitate proper cataloging of the data for search and retrieve capabilities within the MIP. The metadata profile should be obtained from FEMA or its contractor to assure compliance" throughout the document.
- Added "Metadata profiles are to be included with each of the following four activities that must satisfy Data Capture Standards; Base Map Data, Topographic Data, Hydrologic Data, and Hydraulic Data. The metadata profiles are available from FEMA" before the beginning of the "Scoping" section.
- Replaced "Section 7 of the MHIP" to "Procedure Memorandum No. 38.
- Moved "Independent QA/QC Review of Coastal Hazard Analyses" to proceed "Coastal Flood Hazard Analyses".
- Under "Scoping", added:
 - o Identify all stream/coastal reaches where levees are shown as providing protection against the 1-percent-annual-chance flood. Request the information specified in Title 44 Code of Federal Regulations (CFR) 65.10, Mapping of areas protected by levee systems, from the community or other party seeking continued recognition of the levee
 - Optional Paragraph, as appropriate> If the Special Flood Hazard Area (SFHA) is proposed to be mapped as contained by a levee on a new FIRM then the requirements of 44 CFR 65.10 must be provided to FEMA regardless if the flooding source is proposed to be restudied or not. All levee systems impacting existing and proposed SFHAs shall be identified during this task and relevant information on the levee's ownership, structure (including freeboard, stability, seepage, closure, etc.), maintenance, operations, and interior drainage shall be obtained and inventoried. For all levees proposed to be shown on the new FIRM as providing protection from the 1-percent-annual-chance flood (i.e., those known to have adequate freeboard, available as-built plans, adequate maintenance, and operation plans, etc.) that do not

have certification documentation available, the levee owner and/or community(s) protected shall be contacted by FEMA via letter requesting the missing requirement(s) of 44 CFR 65.10. During this step, the time frame for providing the requested data shall be established in coordination with the FEMA Regional Office. If certification, plans, etc. are not provided within the established timeframe, then the need for new flood hazard analysis/mapping shall be documented. At the end of this task, FEMA's Flood Levee Inventory System must be updated for all levees identified by {Insert name of responsible Mapping Partner}.

- The {Insert name of responsible Mapping Partner} will be acting as the Consultation Coordination Officer for this flood study as identified in 44 CFR Part 66. Changed "CTP" in the following sentence to insert either "CTP, IDIQ, OFA". At this point, the {CTP, IDIQ, OFA} will prepare and setup the Community Case File and Flood Elevation Docket for the maintenance of all communication and coordination throughout the project as outlined in 44CFR Parts 66 and 67.
- Addressed the question of where all submitted data for hydrologic modeling review is kept
 that is older than three years; once a study is effective all associated data should be submitted
 to the FEMA library.
- The "Levee System Evaluation" section was added as an appendix.
- Added "Levee Evaluation (if appropriate) to Tables 5-2 and 6-1.
- Revised the third bullet in Section 7, Hydrologic Analyses, Hydraulic Analyses, and Floodplain Mapping to "Any levee systems to be accredited will be certified in accordance with 44 CFR 65.10(e)."
- Aligned the "Deliverables" sections throughout the document to be consistent, particularly in the "Base Map Acquisition", "Produce Preliminary Map Products", and "Post-Preliminary Processing" sections.
- Under "Scope" in the "Topographic Data Development" section, deleted "this" in "{Insert name of responsible Mapping Partner} shall use this topographic data that is better than that of the original study. {If necessary, describe additional steps that may need to be taken to use the available data.}"
- Checked acronym usage and definitions of terms when first mentioned in the document.
- In the "Standards" sections throughout the documents, changed "Section 5 of this MAS" to "Section 5 Standards".
- Where applicable, changed "Section 6 of this MAS" to "Section 6 Schedule" and changed "Section 12 of this MAS" to "Section 12 Points of Contact".
- Added "Appendix N" to "Appendix M and Appendix N may be downloaded from the FEMA
 Flood Hazard Mapping website at http://www.fema.gov/fhm/dl_cgs.shtm" throughout
 document.
- Under "Hydraulic Analyses", added the following bullets to the "Deliverables" section:
 - Format Hydraulic Database or Data Delivery consistent with the Data Capture Standards—Appendix N of the *Guidelines and Specifications for Flood Hazard* Mapping Partners; and

- A Summary Report that describes and provides the results of all automated or manual QA/QC review steps taken during the preparation of the DFIRM as outlined in the approved QA/QC Plan.
- Under "Floodplain Mapping", added "Scope for Limited Detail Study: {Describe intended Scope for Limited Detail Study}".
- "Section 3 Period of Performance", "Section 4 Funding/Leverage", "Section 9 Contractors", "Section 10 Reporting", and "Section 12 Points of Contact" were formatted to either select CTPs or IDIQ/OFA.